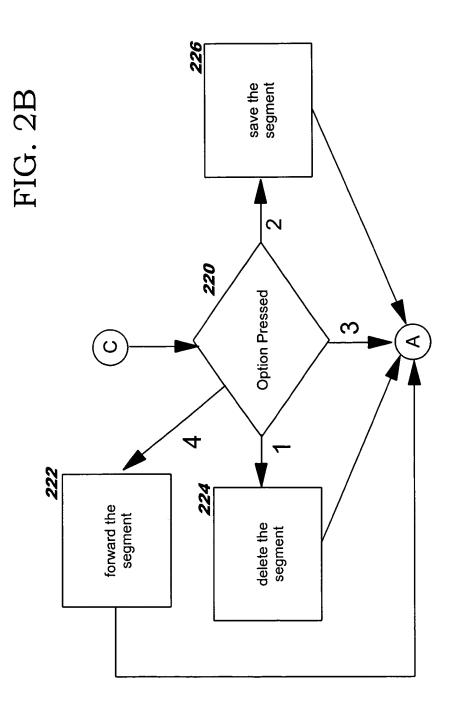
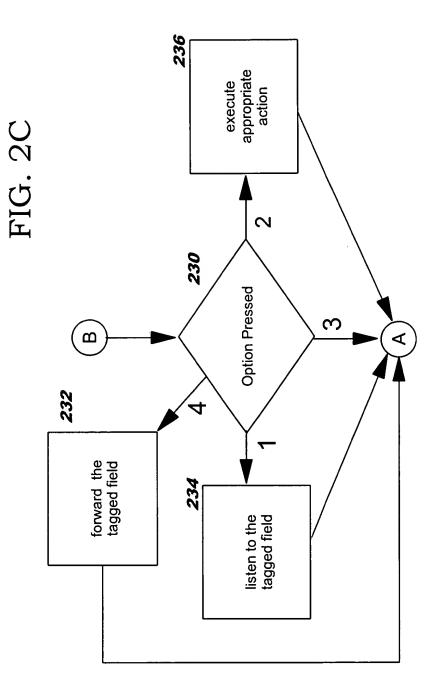
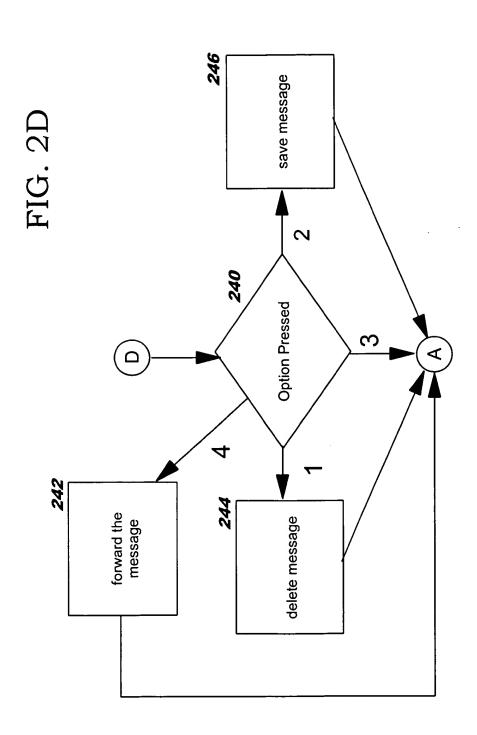
101												
Voice Mail System	Answers Phone 103	Message Recording starts		107 Internally identifies start of new topic		110 Internally identifies start of a phone number		113	Internally identifies start of new topic		116	Stops recording message
Caller 100 FIG. 1	Dials Number		Begins speaking 105	Presses * to begin new topic 106	Speaks topic specific info 108	Presses # 109	Enters/speaks phone number 111	Presses * to begin next topic 112		Speaks topic-specific info 114	Hangs Up 115	·
Cal												







To listen to the entire message, press #0. To listen to segment n, press #n. To access options for tagged field m, press *m. To exit, press 99.

FIG. 3A

To save this segment, press 2.

To delete this segment, press 1.

To continue, press 3. To forward this segment, press 4.

FIG. 3B

To delete this message, press 1.

To save this message, press 2.

FIG. 3C

To continue, press 3.

To forward this message, press 4.

FIG. 3D

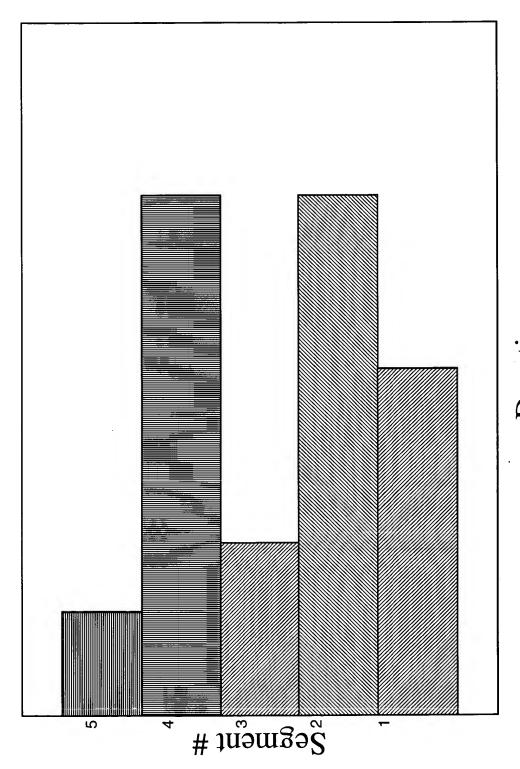
To listen to a tagged field, press 1. To execute an action, press 2.

To continue, press 3.

To forward this tagged field, press 4.

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FIG. 4



Duration

FIG. 5A

```
\prime^* this could alternately be stored in this structure. ^*\prime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /* this could alternately be stored in this structure. */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /* location of data for this part of the voice mail
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Struct tagged_field tagged_field_array[MAX_TAGGED_ENTRIES];
                                                                                                                                                                                       /* phone number, email addr, url, etc.
                                                                                                                                                                                                                         /* location of data for this tagged field
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Struct vmail_segment vmail_array[MAX_VMAIL_SEGMENTS]; 504
                                    /* arbitrary value */
 /* arbitrary value */
#define MAX_VMAIL_SEGMENTS 1000
                                    #define MAX_TAGGED_ENTRIES 50
                                                                                                                                                                                                                          FILE *tagged_field_loc;
                                                                                                                                                                                      Int tagged_field_type;
                                                                                                                                                                                                                                                                                                                                                                                                   Struct vmail_segment 503
                                                                                                     Struct tagged_field 502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE *data_loc;
```

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FIG. 5B

```
/* location of data for this segment of the voice mail
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /* this could alternately be stored in this structure.
                                                                                                                                                                                                                                                                                             /* need to know where the end of the field is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Struct tagged_field tagged_field_array[MAX_TAGGED_ENTRIES];
                                                                                                                                                                                                                                                       /* offset of the tagged field in data_loc
                                                                                                                                                                                                                  /* phone number, email addr, url, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Struct vmail_segment vmail_array[MAX_VMAIL_SEGMENTS],514
                      /* arbitrary value */
                                                         #define MAX_TAGGED_ENTRIES 50 /* arbitrary value */
                   #define MAX_VMAIL_SEGMENTS 1000
                                                                                                                                                                                                                                                                                             Int tagged_field_length;
                                                                                                                                                                                                                                                          Int tagged_field_offset;
                                                                                                                                                                                                             Int tagged_field_type;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Struct vmail_segment 513
                                                                                                                              Struct tagged_field 512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE *data_loc;
510
```

FIG. 5C

FILE *vmail_msg; **521**

520

FIG. 5D

530

#define MAX_VMAIL_ELEMENTS 1000 /* arbitrary value */ 531

FILE *vmail_array[MAX_VMAIL_ELEMENTS];532

FIG. 5F

```
/* arbitrary value */ 551
                                                                                                                        FILE *caller_name;
FILE *caller_phone_number;
FILE *desired_callback_time;
FILE *vmail_segment_array[MAX_VMAIL_SEGMENTS];
 #define MAX_VMAIL_SEGMENTS 1000
                                                                   Struct vmail_msg_struct 552
                                                                                                                                                                                                                              } vmail_msg;
```


FIG. 5G

```
/* importance level associated w/each segment - default
                                                                                                                                                                                                                                           /* location of data for this element of the voice mail
                                                                                                                                                                                                                                                                             /* this could alternately be stored in this structure.
                                                                                                                                                                                                                                                                                                                                                                                       Struct vmail_segment *vmail_array[MAX_VMAIL_ELEMENTS];563
                         /* arbitrary value */
                                                                                                                                                                                                        /* may be set to 5 (average).
                #define MAX_VMAIL_ELEMENTS 1000
                                                                                                                                                                      INT importance_level;
                                                                                                Struct vmail_segment 562
                                                                                                                                                                                                                                           FILE *data_loc;
260
```